

IN THE CLAIMS

1 (currently amended): Electric motor with variable rotation speed comprising

- a stator (2) connected to at least one magnetic excitation coil,
- a rotor ~~[[(5)]]~~ (4) on which are formed at least two magnetic poles each having opposite polarity
- said at least one coil being adapted to form on said stator at least two magnetic induction poles having opposite polarity,
- an adjusting device (5) for adjusting said rotation speed ~~[[on]]~~ of said rotor comprising an antijamming filter (52),

~~characterised in that~~ wherein said antijamming filter comprises at least one portion of said magnetic induction coil, said magnetic induction coil is divided into a first portion (3a) and a second portion (3b) connected to each other in series and said adjusting device (5) is positioned between said second portion.

2 (canceled)

3 (original): Motor according to claim 2, wherein said first portion and said second portion are identical to each other.

4.(original): Motor according to claim 1 wherein said antijamming filter (52) comprises an RC system.

5 (original): Motor according to claim 1 wherein said adjusting device comprises a phase shutting piloting circuit.

6 (original): Motor according to claim 1 wherein said adjusting device comprises a phases "chopper" piloting circuit.

7 (original) Motor according to claim 1 wherein said adjusting device acts exclusively on a single part of the action windings in a single phase motor with out-of-phase condenser.

8 (original) Motor according to claim 1 wherein said adjusting device acts exclusively on one phase in a motor having at least two phases.

9 (canceled)